

**Remarks: Claims**

Claim 1 was amended to correct a minor typographical error. In particular, “— a —” was inserted in front of “— multicarrier-signal generator —” in line 3.

Claims 2-8 are unchanged.

Claim 9 was amended to correct a minor typographical error. In particular, the term “— generation —” was replaced with “— generating —”.

Claims 10 and 11 are unchanged.

Claim 12 is canceled.

Claims 13-28 are unchanged.

Claim 29 was amended to swap the order of the phrases:

“— providing for interferometry multiplexing of the received multicarrier signals in at least one diversity-parameter domain to obtain benefits of enhanced capacity —”  
and

“— providing for diversity combining of the received multicarrier signals in at least one diversity-parameter domain to obtain benefits of diversity —”.

Claim 30 is unchanged.

Claim 31 was amended to correct a minor typographical error. In particular, the term “— multiplexing —” was changed to “— demultiplexing —”.

Claim 32 is unchanged.

**Remarks: Examination Report*****1. Section 1 of the Examination Report***

The basis for the rejection is noted.

***2. Section 2 of the Examination Report***

Claim 12 was rejected under 35 U.S.C. 102(e) as being anticipated by Lee (6,496,290).

***3. Section 3 of the Examination Report***

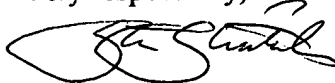
Claim 12 was rejected under 35 U.S.C. 102(e) as being anticipated by Lee (6,107,954).

Claim 12 was cancelled. Therefore, the rejection of Claim 12 is moot.

***4. Section 4 of the Examination Report***

Claims 1-11 and 13-32 are allowed.

Very respectfully,



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